

CLAIMS

What is claimed is:

1. A configurable speech recognizer comprising:

a geographic configuration unit to receive geographic indications from a cellular telephone and to process said indications to determine a location associated with said telephone;

a recognition manager to select associated search information as a function of said location; and

a speech recognition unit to utilize said selected associated search information when recognizing at least one incoming speech signal.

2. The recognizer according to claim 1 and wherein said geographic indications comprise roaming indications.

3. The recognizer according to claim 2 and wherein said roaming indications comprise an indication of type of operator, wherein said operator type is one of the following: cellular and landline operator.

4. The recognizer according to claim 2 and wherein said roaming indications comprise operator identification numbers.

5. The recognizer according to claim 1 and wherein said location is a country.

6. The recognizer according to claim 1 and wherein said selector selects said associated search information as a function also of operator identification.

7. The recognizer according to claim 1 and wherein said speech recognition unit comprises a speech dialer.
8. The recognizer according to claim 1 and wherein said speech recognition unit comprises a geographically affected speech recognition unit.
9. The recognizer according to claim 1 and wherein said associated search information comprises a knowledge base and a reference library.
10. The recognizer according to claim 1 and wherein said associated search information comprises a phone numbering plan.
11. The recognizer according to claim 1 and wherein said associated search information comprises dialect information.
12. The recognizer according to claim 1 and wherein said associated search information comprises expected pronunciations.
13. The recognizer according to claim 1 and wherein said speech recognition unit utilizes said associated search information as hard constraints.
14. The recognizer according to claim 1 and wherein said speech recognition unit utilizes said associated search information as soft constraints.
15. A configurable speech dialer comprising:
 - a speech dialer to recognize speech; and
 - a geographic configuration unit to receive roaming indications from a cellular telephone and to provide said speech dialer with a location associated with said telephone,

said speech dialer to recognize said speech at least according to the numbering plan of said location.

16. The dialer according to claim 15 and wherein said roaming indications comprise operator identification numbers.

17. The dialer according to claim 15 and wherein said location is a country.

18. The dialer according to claim 16 and wherein said numbering plan comprises an operator specific numbering plan.

19. The dialer according to claim 15 and wherein said speech dialer utilizes said numbering plan as hard constraints.

20. The dialer according to claim 15 and wherein said speech dialer utilizes said numbering plan as soft constraints.

21. A configurable speech recognizer comprising:

a geographic configuration unit to process geographic indications from a cellular telephone; and

a speech recognition unit to limit a recognition search space as a function of said geographic indications.

22. The recognizer according to claim 21 and wherein said geographic indications comprise roaming indications.

23. The recognizer according to claim 22 and wherein said roaming indications comprise an indication of type of operator, wherein said operator type is one of the following: cellular and landline operator.

24. The recognizer according to claim 22 and wherein said roaming indications comprise operator identification numbers.

25. The recognizer according to claim 21 and wherein said location is a country.

26. The recognizer according to claim 21 and wherein said speech recognition unit comprises a speech dialer.

27. The recognizer according to claim 21 and wherein said speech recognition unit comprises a geographically affected speech recognition unit.

28. A speech recognition method comprising:

determining a location associated with a cellular telephone from geographic indications provided by said cellular telephone;

selecting associated search information as a function of said location;

and

utilizing said selected associated search information when recognizing at least one incoming speech signal.

29. The method according to claim 28 and wherein said geographic indications comprise roaming indications.

30. The method according to claim 29 and wherein said roaming indications comprise an indication of type of operator, wherein said operator type is one of the following: cellular and landline operator.

31. The method according to claim 29 and wherein said roaming indications comprise operator identification numbers.

32. The method according to claim 28 and wherein said location is a country.
33. The method according to claim 28 and also comprising selecting said associated search information as a function also of operator identification.
34. The method according to claim 28 and wherein said associated search information comprises a knowledge base and a reference library.
35. The method according to claim 28 and wherein said associated search information comprises a phone numbering plan.
36. The method according to claim 28 and wherein said associated search information comprises dialect information.
37. The method according to claim 28 and wherein said associated search information comprises expected pronunciations.
38. The method according to claim 28 and wherein said recognizing comprises utilizing said associated search information as hard constraints.
39. The method according to claim 28 and wherein said recognizing comprises utilizing said associated search information as soft constraints.
40. A speech dialing method comprising:
- determining a location associated with a cellular telephone from roaming indications provided by said cellular telephone;
 - recognizing a spoken phone number at least according to the numbering plan of said location; and
 - dialing said phone number.

41. The method according to claim 40 and wherein said roaming indications comprise operator identification numbers.

42. The method according to claim 40 and wherein said location is a country.

43. The method according to claim 41 and wherein said numbering plan comprises an operator specific numbering plan.

44. A speech recognition method comprising:

processing geographic indications from a cellular telephone; and

limiting a recognition search space as a function of said geographic indications.

45. The method according to claim 44 and wherein said geographic indications comprise roaming indications.

46. The method according to claim 45 and wherein said roaming indications comprise an indication of type of operator, wherein said operator type is one of the following: cellular and landline operator.

47. The method according to claim 45 and wherein said roaming indications comprise operator identification numbers.

48. The method according to claim 44 and wherein said location is a country.